$$\frac{Q = 60.0 \text{ pc}}{0 = 1000 \text{ cm}}$$

$$\frac{Q = 60.0 \text{ pc}}{0 = 1000 \text{ cm}}$$

$$\frac{Q = 40.0 \text{ pc}}{0 = 41.00 \text{ pc}}$$

$$\frac{Q}{Q} = \frac{1000 \text{ pc}}{0 = 41.00 \text{ pc}}$$

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$$= 8.99 \cdot 10^{3} \cdot 60.6 \cdot 16^{-12} \cdot 1,00 \cdot 16^{-12} \left( \frac{-1}{0.01} + \frac{1}{(0.01 + 40.0 \cdot 16^{-6})^{2}} \right)$$

$$5.394 \cdot 10^{-13}$$

= 
$$-3.411.10^{-10}$$
  $\approx -3.41.10^{-10} N$  (attraction)

regetist nedft

Finance = 
$$F_1 + F_2 = \frac{k Q H q}{(D_m + d)^2} + \frac{k Q M (+ 9)}{D M}$$

$$= 8.99 \cdot 10^{9} \cdot 60.6 \cdot 10^{-12} \cdot 1.00 \cdot 10^{12} \cdot \left( \frac{-1}{(10^{-3} + 40 \cdot 10^{-6})^2} + \frac{1}{(10^{-3})^2} \right)$$

$$-5.394 \cdot 10^{-13}$$

$$75443.8$$

=-4.069.10<sup>8</sup> 
$$\approx -4.07.10^8 N$$
 (attractive)

C) Eftersom den attraktiva kraften från märkel är Större (100991) än den attraktiva kraften från biet så går pollenkomet över till märket.